



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

SWA10A-2-OH
Job Sheet OH192597



Part No: SWA10A-2-OH **Job Qty:** 1 pcs
Part Name: Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)

Lead-Time starts after cust. approval



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 3/28/19

Job Tracking No: RA639

Due Date: 5/23/19

Created By: Jennifer Renwick

Type: Rework - OH

Description: RA639 / Order 14660 / Orig# 10014

Note: DWG SWA10A Rev. 3 IPP Rev. A 18.06.01 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
110	External Load - 1	1 pcs	5/23/19	5/23/19	0.00	1.00	External Load - 1 External Load - 2 External Load - 3	<i>JR Michel</i> 5167187
120	QC 5	1 pcs	5/23/19	5/23/19	0.00	0.00	QC 5 - 10 QC 5 - 12 QC 5 - 17 QC 5 - 18 QC 5 - 19 QC 5 - 22 QC 5 - 24 QC 5 - 3 QC 5 - 43 QC 5 - 49 QC 5 - 51 QC 5 - 58 QC 5 - 68 QC 5 - 9 QC 5 - 50 QC 5 - 30 QC 5 - 40	
125	Customer Acceptance	1 pcs	5/23/19	5/23/19	0.00	0.00	QC6	
130	Outsource - 2 - NDT per QSI038	1 pcs	5/23/19	5/23/19			SKY002-VC	<i>APR 03 2019</i> DAS 13 9-89 70:043067
140	Packaging 2-1 - Receive - B4B	1 pcs	5/23/19	5/23/19	0.00	0.00	Packaging 2 - 1 - B4B Packaging 2 - 2 - B4B Packaging 2 - 3 - B4B Packaging 2 - 5 - B4B Packaging 2 - 4 - B4B Packaging 2 - 6 - B4B Packaging 2 - 7 - B4B Packaging 2 - 8 - B4B Packaging 2 - 9 - B4B Packaging 2 - 10 - B4B Packaging 2 - 11 - B4B Packaging 2 - 12 - B4B Packaging 2 - 13 - B4B Packaging 2 - 14 - B4B Packaging 2 - 15 - B4B Packaging 2 - 16 - B4B Packaging 2 - 17 - B4B Packaging 2 - 18 - B4B	<i>APR 11 2019</i>

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com



Container No: S167187



Part: SWA10A-2

Job No: OH192597

Serial No/Batch: S167187

Revision: 3

Inspector:

Exp Date:

Instructions:

Date: 04/02/19

					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
					Packaging 2 - 23 - B4B	
					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	
					Packaging 2 - 27 - B4B	
					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
180	QC 6	1 pcs	5/23/19	0.00 0.00	QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
190	Small Fab - 2 - B4B	1 pcs	5/23/19	0.00 1.00	Small Fab - 1 - B4B	
					Small Fab - 2 - B4B	
					Small Fab - 3 - B4B	
					Small Fab - 4 - B4B	
					Small Fab - 5 - B4B	
					Small Fab - 6 - B4B	
					Small Fab - 7 - B4B	
200	QC 5	1 pcs	5/23/19	0.00 0.00	QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	
					QC 5 - 40	
210	DC - 1 - B4B	1 pcs	5/23/19	0.00 0.00	DC - 1 - B4B	
					DC - 2 - B4B	
220	Packaging 3-1 - Stock - B4B	1 pcs	5/23/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	

APR 11 2019

AP 2019/05/06
MICHEL

DAS 30 00 00 MAY 07 2019

QC 21 FG

DAS
21
0-00

MAY 07 2019

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
SWA10A-2-AR	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	1 pcs (1 ea)	110-External Load - 1	5167080
188-FPSS-1032-5/8	Set Screw	1 Ea (1 ea)	190-Small Fab - 2 - B4B	5037083
188-FSCS-1032-5/8	Set Screw	4 Ea (4 ea)	190-Small Fab - 2 - B4B	5168927
C10-28	Swivel Bushing, C10/SWA10	1 pcs (1 ea)	190-Small Fab - 2 - B4B	5034095
EL-PLUG-F	3-Prong Female Spade Plug	1 Ea (1 ea)	190-Small Fab - 2 - B4B	5124461
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	190-Small Fab - 2 - B4B	5164040
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge	6 ft (6 ea)	190-Small Fab - 2 - B4B	5159114
SWA10A-100	Lower End	1 pcs (1 ea)	190-Small Fab - 2 - B4B	
SWA10A-1100	Upper DU Bearing	1 pcs (1 ea)	190-Small Fab - 2 - B4B	5116380
SWA10A-1200	Lower DU Bearing	1 Ea (1 ea)	190-Small Fab - 2 - B4B	5062772
SWA10A-1300	Roller Thrust Bearing	1 Ea (1 ea)	190-Small Fab - 2 - B4B	5156223
SWA10A-1400	Circlip	1 Ea (1 ea)	190-Small Fab - 2 - B4B	5060997
SWA10A-1800	Cover	1 pcs (1 ea)	190-Small Fab - 2 - B4B	
SWA10A-200	Upper End Swivel	1 pcs (1 ea)	190-Small Fab - 2 - B4B	
SWA10A-300	Bearing Housing	1 pcs (1 ea)	190-Small Fab - 2 - B4B	
SWA10A-400	Thrust Washer	1 pcs (1 ea)	190-Small Fab - 2 - B4B	5158399
SWA10A-500	Semi-Rings	1 pcs (1 ea)	190-Small Fab - 2 - B4B	
SWA10A-600	Collar	1 pcs (1 ea)	190-Small Fab - 2 - B4B	
SWA10A-700A	Wire Clamp	2 pcs (2 ea)	190-Small Fab - 2 - B4B	
SWA6A-1900	1/4" Female Spade Connector	4 Ea (4 ea)	190-Small Fab - 2 - B4B	5084069
SWA6A-800A	Connector Bushing	1 pcs (1 ea)	190-Small Fab - 2 - B4B	
SWA6A-900A	Rotary Connector - 2 wire	1 pcs (1 ea)	190-Small Fab - 2 - B4B	5151540
SWA10A-700A	WIRE CLAMP	2		5111654

Job Allocations 4"

Operation	Component Part	Required	Inventory	Allocated
110-External Load - 1	SWA10A-2	1	0	0
190-Small Fab - 2 - B4B	188-FPSS-1032-5/8	1	269	0
	188-FSCS-1032-5/8	4	78	0
	C10-28	1	37	0
	EL-PLUG-F	1	19	0
	EL-PLUG-M	1	40	0
	EL314-SJTOW	6	718	0
	SWA10A-100	1	5	0
	SWA10A-1100	1	4	0
	SWA10A-1200	1	19	0
	SWA10A-1300	1	11	0
	SWA10A-1400	1	14	0
	SWA10A-1800	1	8	0
	SWA10A-200	1	12	0
	SWA10A-300	1	5	0
	SWA10A-400	1	15	0
	SWA10A-500	1	21	0
	SWA10A-600	1	11	0
	SWA10A-700A	2	26	0
	SWA6A-1900	4	213	0
	SWA6A-800A	1	8	0
	SWA6A-900A	1	6	0

Part Specifications

Specifications could not be found.

Plex 4/2/19 7:46 AM dart.lacelle.linda

Loctite 242 (M138933)
 Aeroshell grease NO.7 (M138724)
 Sof-t-eze (M128063)
 Silicone gel (M139008)

Part Specifications

Specifications could not be found.

Plex 3/28/19 9:22 AM Dart.Renwick.Jennifer

Inspection Sheet Complete

RA639

Customer QA Ref #

0

Part Number	Original Batch / Serial # / Ctrl #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Original Container #	New (Receiving) Serial #	New Job #	Work order instructions
C10	3476-01		1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED		S167079	OH192596	Overhaul
SWA10A-2	AC10014		1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED		S167080	OH192597	Overhaul
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					

QC Approval: _____ 0

Date: 0-Jan-00 _____

Special Return/Rework Instructions:

Pre testWork Order 192597Customer RA 639Number of Wires 2Date 2019-3-29Serial Number AC 10014

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	10,000	Check for Conductivity against all wires.	Fail
1	10,000	Check all wires for grounding against swivel body.	Fail
1	5,000	Check for Conductivity against all wires.	Fail
1	5,000	Check all wires for grounding against swivel body.	Fail
1	2,500	Check for Conductivity against all wires.	Fail
1	2,500	Check all wires for grounding against swivel body.	Fail
1	0	Check for Conductivity against all wires.	Fail
1	0	Check all wires for grounding against swivel body.	Fail

Test Conducted By: Michel Lalonde

Signature: _____

Technician

QC 5 Small FAB / QA

Submit



Overhaul Incoming Inspection
SWIVEL SWA10A

Customer

OH 192597 / RA639

Date

2019/04/01

Part Number

SWA10A-2

Serial Number

AC10014

ORDER : 14660

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

(1) SWA6A-900A ROTARY SWITCH

☐

(1) EL-PLUG-F FEMALE SPADE PLUG

☐

(1) EL-PLUG-M MALE SPADE PLUG

☐

(1) SWA10A-200A WIRE CLAMP

☐☐☐☐☐☐☐☐

Inspected By

ALAIN PATRY



DATE: 2019/04/01

N.D.T

MODEL: SWA10A-2

S/N: AC10014

Job: 0H192597 RA.# 639

ORDER: 14660

P/N	DESCRIPTION	QUANTITY
SWA10A-200	UPPER END	1
SWA10A-600	COLLAR	1
SWA10A-500	SEMI-RING	2
SWA10A-100	LOWER END	1
SWA10A-300	BEARING HOUSING	1

TECH: ALAIN PATRY

6 PCS



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO043067



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

Attention: Jenne, Heather

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO043067

PO Date: 4/3/19

Due Date: 4/11/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

E-MAILED
APR 10 2019

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH192808	SWA3-3-OH	Electric Swivel 3,000 lb Safe Work Load (1,360 kg)	Firmed	-	4/11/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Line Item Note MAGNAFLUX											
2	OH192596	C10-OH	C-Series Remote Hook 10,000 lbs Lift Capacity ISSUE P/O: _____ C OF C IS REQUIRED	Firmed	-	4/11/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Line Item Note MAGNAFLUX											
3	OH192597	SWA10A-2-OH	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	Firmed	-	4/11/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Line Item Note MAGNAFLUX											
Grand Total:											\$534.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO043067



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

A handwritten signature in black ink, appearing to be "CL" or similar, located on the right side of the Order Notes section.

Plex 4/10/19 12:42 PM dart.lavoie.chantal

1940

1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12

1941

1942

1943

1944

1945

1946

**skyservice****Work Order Traveler**
Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO39921	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO043067
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:

CARRY OUT NDT ON :

1 ELECTRIC SWIVEL(2 PCS), P/N# SWA3-3 OH , J/S# OH192808

1 C-SERIES REMOTE HOOK (11 PCS), P/N# C10-OH , J/S# OH192596

1 ELECTRIC SWIVEL (6 PCS), P/N# SWA10A-2-OH , J/S# OH192597

DAS
68
9-89

Action Taken:						Date:	Initial/Stamp:
LPI & MPI CARRIED OUT IAW ASTM E-1417M-16 AND ASTM E-1444M-16 ***NO CRACK FOUND*** PEN , ZL-37 MPO#: 23206 CLEANER SKC-S MPO15030, EMU.(ZR-10B, MPO23451), DEV. MPO15030, UV LIGHT M-20142 MAGBENCH S/N 208123 CAL DUE: 25-SEP-2019 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO22794 BLACK LIGHT-M20186						APR 09 2019	
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp	Date:
Name: RAFIK MELIKIAN		APR 09 2019



approved
Overhaul Incoming Inspection
SWIVEL SWA10A

Customer

OH 192597 / RA639

Date

2019/04/01

Part Number

SWA10A-2

Serial Number

AC 10014

ORDER : 14660

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

*Stock
Good.*

(1) SWA6A-900A ROTARY SWITCH

☒ - STK more

(1) EL-PLUG-F FEMALE SPADE PLUG

☒ - STK more

(1) EL-PLUG-M MALE SPADE PLUG

☒ - STK more

(1) SWA10A-700~~0~~ WIRE CLAMP.

☒ - STK

☐

☐

☐

☐

☐

☐

Inspected By

ALAIN PATRY



Electric Swivel
SWA10A

Work Order 192597

Customer RA 639

Number of Wires 2

Date 2019-5-6

Serial Number AS 10014

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	10,000	Check for Conductivity against all wires.	Pass
1	10,000	Check all wires for grounding against swivel body.	Pass
1	5,000	Check for Conductivity against all wires.	Pass
1	5,000	Check all wires for grounding against swivel body.	Pass
1	2,500	Check for Conductivity against all wires.	Pass
1	2,500	Check all wires for grounding against swivel body.	Pass
1	0	Check for Conductivity against all wires.	Pass
1	0	Check all wires for grounding against swivel body.	Pass

Test Conducted By: Muhel Latorde

Technician

Signature: Sylvie Sanchez
QC 5 Small FAB / QA

Submit